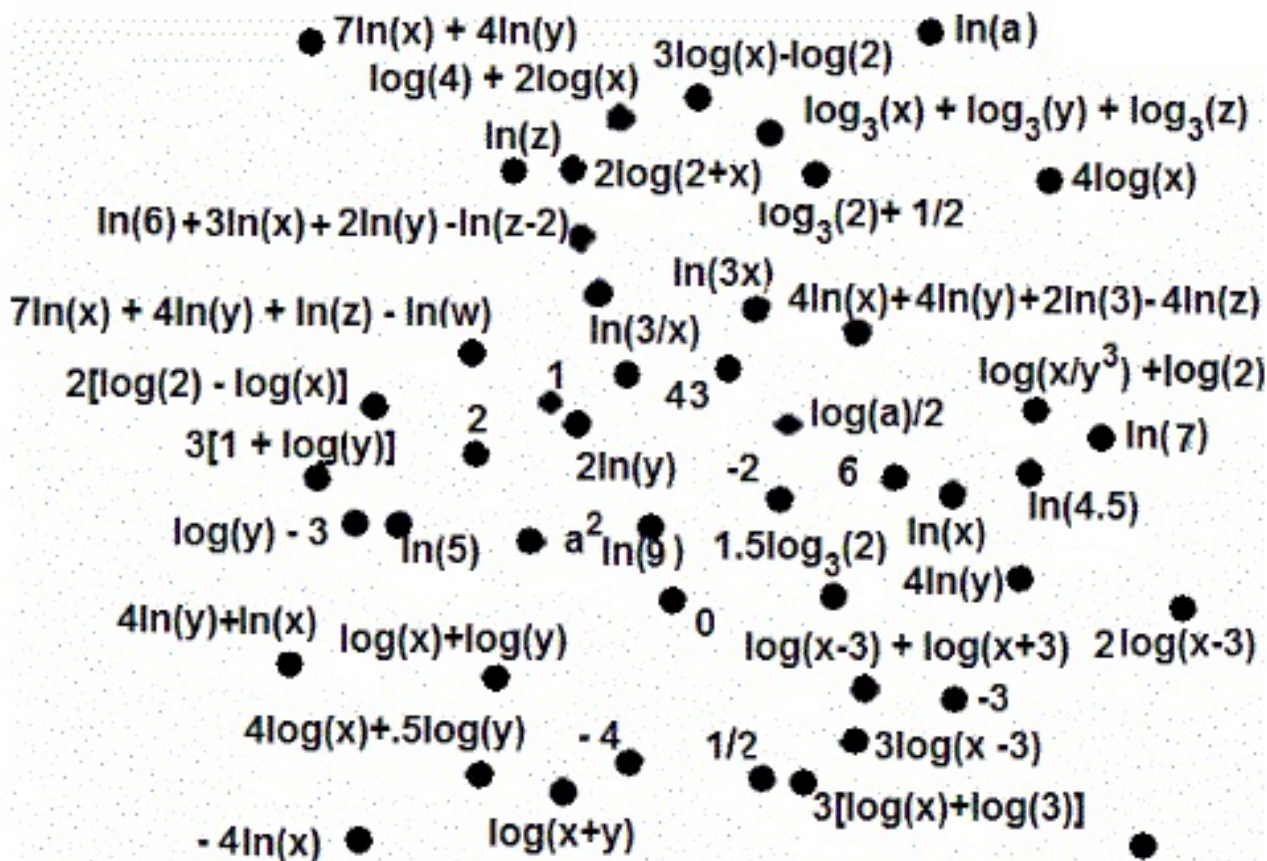


Sweet Log Treat Connect the answers in order.



Expand or simplify the log to complete the statement.

Start a new line.

1. $\log(\quad) = 2\log(a)$

13. $\log(\sqrt{a}) = \quad$

25. $\ln(6x^3y^2 / (z-2)) = \quad$

2. $\log(xy) = \quad$

14. $\log_3(\sqrt[3]{81})^3 = \quad$

26. $\ln(3) - \ln(x) = \quad$

3. $\log(x^4 \sqrt{y}) = \quad$

15. $-\ln(1/x) = \quad$

27. $\ln(x^3(yx)^4z/w) = \quad$

4. $\log(x+y) = \quad$

16. $2\ln(3) - \ln(8)/3 = \quad$

28. $\log(2/x)^2 = \quad$

5. $\log_3(1/81) = \quad$

17. $\log(x) - 3\log(y) + \log(4)/2 = \quad$

29. $\log(10y)^3 = \quad$

6. $\log_3(1) = \quad$

18. $4\ln(xy \sqrt[3]{3/z}) = \quad$

30. $\log(y/1000) = \quad$

7. $\log_3(\sqrt{3}) = \quad$

19. $\ln(3) + \ln(x) = \quad$

31. $\ln(5) = \quad$

8. $\log(3x)^3 = \quad$

20. $\log_3(\sqrt{12}) = \quad$

32. $\log_6(36) = \quad$

9. $\log(x-3)^3 = \quad$

21. $\log_3(xyz) = \quad$

33. $\log(10) = \quad$

10. $\log(x^2 - 9) = \quad$

22. $\log(x^3 / \sqrt{4}) = \quad$

34. $\ln(y^2) = \quad$

11. $\log_3(\sqrt{2})^3 = \quad$

23. $\log(2x)^2 = \quad$

35. $\ln(e^a) = \quad$

12. $\log_2(1/4) = \quad$

24. $\log(2+x)^2 = \quad$